

REMARKS

Claims 1 to 4, 6 to 19, 21 to 24, and 26 to 41, as amended, appear in this application for the Examiner's review and consideration. Claims 5, 20, and 25 have been canceled without prejudice. The amendments are fully supported by the specification and claims as originally filed. Therefore, there is no issue of new matter.

Applicants acknowledge with appreciation the indication of patentable subject matter in claims 5, 6, 20, 25, 26, and 35 to 41. In response, claim 1 has been amended to recite, alone or in combination, the subject matter of claims 5 and 20, which depended from claim 1, and claim 21 has been amended to recite the subject matter of claim 25, which depended from claim 21, placing all claims in condition for allowance. Applicants submit that the amendments are without prejudice to Applicants right to file one or more continuation or divisional applications directed to the subject matter of original claims 1 and 21, which Applicants submit are patentable for the reasons set forth in the Amendment filed December 22, 2004.

Claims 1 to 4, 8, 10, 12, 15, 21 to 24, 28, 30 and 33 were rejected under 35 U.S.C. §102(e) as allegedly being anticipated by U.S. Patent Application Publication No. US 2002/0074935 to Kwong, et al. ("Kwong"), now U.S. Patent No. 6,803,720, which issued October 12, 2004, for the reasons set forth on pages 2 to 6 of the Office Action. Claims 11, 13, 29, 31 and 32 were rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Kwong in view of U.S. Patent Application Publication No. US 2003/007736 to Harada for the reasons set forth on pages 6 and 7 of the application. Claims 16 and 34 were rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over Kwong in view of U.S. Patent No. 6,670,213 to Halls et al. ("Halls") for the reasons set forth on page 7 of the Office Action. Claims 7, 9, 18, 19, and 27 were rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Kwong for the reasons set forth on pages 7 and 8 of the Office Action.

In response, Applicants submit that Kwong, Harada and Halls, whether taken alone or in combination do not disclose or suggest the detectors recited in the claims submitted with the December 22, 2004, Amendment. However, to facilitate the early allowance of the application, Applicants have amended claims 1 and 21, as discussed above, without prejudice to Applicants right to file one or more continuation applications directed to the claims as originally filed.

Therefore, Kwong, Harada, and Halls, whether taken alone or in combination, do not disclose or suggest the presently claimed invention, and, thus, the claims are not anticipated

by or obvious over those references. Accordingly, it is respectfully requested that the Examiner withdraw the rejections of the claims under 35 U.S.C. §§ 102(e) and 103(a).

Applicants thus submit that the entire application is now in condition for allowance, an early notice of which would be appreciated. Should the Examiner not agree with Applicants' position, a personal or telephonic interview is respectfully requested to discuss any remaining issues prior to the issuance of a further Office Action, and to expedite the allowance of the application.

No fee is believed to be due for this submission. Please charge any that may be due, however, to Deposit Account No. **11-0600**.

Respectfully submitted,

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